**BE PROJECT DIARY A.Y. 2023 - 2024**



Project Title: Controlling Robot by Using Google Assistant,

Bluetooth And Voice Command

Area of Project: Internet of Things

Project Guide: Prof. Anil Lohar

Group No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
|  |

**Project Group Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Photo** | **Name** | **Personal Details** | **Sign.** |
|  | Affix your photo here | **Kawade Pavan** | Roll No:  Exam Seat No:  Mobile No:  Email ID: |  |
|  | Affix your photo here | **Magar Swapnil** | Roll No:  Exam Seat No:  Mobile No:  Email ID: |  |
|  | Affix your photo here | **Patil Nikhil** | Roll No:  Exam Seat No:  Mobile No:  Email ID: |  |
|  | Affix your photo here | **Sawant Shivaji** | Roll No:  Exam Seat No:  Mobile No:  Email ID: |  |

**UNDERTAKING BY STUDENTS**

We, the students of B.E. Computer Department Students are here by assured that we will follow all the rules and regulations of Savitribai Phule Pune University related to the project work for the academic year 2023-2024.

The Project entitled-

**Controlling Robot By Using Google Assistant, Bluetooth And Voice Command**

will be designed and developed by us and no part of the project will be designed/developed by any external entity or copied from some external resources. We are fully aware that copying or taking help of any external agency in the development of our project is unethical and illegal. The Examiners /University can initiate an action against us as per Savitribai Phule Pune University norms if found violation of rules and regulations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Roll No.** | **Name of Student** | **Signature** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |

**Project Plan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Project Activity** | **Description** | **Date Of Completion** | **Sign of**  **Guide** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Project Activity** | **Description** | **Date Of Completion** | **Sign of**  **Guide** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Library Visit Record**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Date** | **Resources Used** | **Sign of Librarian** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |
| 9 |  |  |  |
| 10 |  |  |  |
| 11 |  |  |  |
| 12 |  |  |  |
| 13 |  |  |  |
| 14 |  |  |  |
| 15 |  |  |  |

**Project Review Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Roll No.** | **Name of Student** | **Signature** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |
| --- |
| **Project Progress:** |

|  |
| --- |
| **Comments by Guide:** |

|  |  |
| --- | --- |
| **Date:** |  |
| **Guide Project Coordinator** | **Head of the Department** |

**Project Review Details**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Roll No.** | **Name of Student** | **Signature** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |
| --- |
| **Project Progress:** |

|  |
| --- |
| **Comments by Guide:** |

|  |  |
| --- | --- |
| **Date:** |  |
| **Guide Project Coordinator** | **Head of the Department** |

**Project Review Approval sheet by Guide**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Review Number** | **Date of Review** | **Comment** | **Approval for Project Review (y/N)** | **Sign of Guide** |
| **1** |  |  |  |  |
| **2** |  |  |  |  |
| **3** |  |  |  |  |
| **4** |  |  |  |  |
| **5** |  |  |  |  |
| **6** |  |  |  |  |
| **7** |  |  |  |  |
| **8** |  |  |  |  |
| **9** |  |  |  |  |
| **10** |  |  |  |  |
| **11** |  |  |  |  |
| **12** |  |  |  |  |
| **13** |  |  |  |  |
| **14** |  |  |  |  |
| **15** |  |  |  |  |

**Project Reviews**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Date of Review** | **Name of Reviewer** | **Sign of Reviewer** | **Comments** |
| 1 |  |  |  |  |
|  |  |
| 2 |  |  |  |  |
|  |  |
| 3 |  |  |  |  |
|  |  |
| 4 |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Date of Review** | **Name of Reviewer** | **Sign of Reviewer** | **Comments** |
| 5 |  |  |  |  |
|  |  |
| 6 |  |  |  |  |
|  |  |
| 7 |  |  |  |  |
|  |  |
| 8 |  |  |  |  |
|  |  |

**Action Plan After Review by Guide**

|  |  |  |  |
| --- | --- | --- | --- |
| **Review**  **No.** | **Date of Review** | **Remark by Guide** | **Guide Signature** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Review**  **No.** | **Date of Review** | **Remark by Guide** | **Guide Signature** |
| 7 |  |  |  |
| 8 |  |  |  |
| 9 |  |  |  |
| 10 |  |  |  |
| 11 |  |  |  |
| 12 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Review**  **No.** | **Date of Review** | **Remark by Guide** | **Guide Signature** |
| 13 |  |  |  |
| 14 |  |  |  |
| 15 |  |  |  |
| 16 |  |  |  |
| 17 |  |  |  |
| 18 |  |  |  |

**Activity: Requirement Traceability Matrix**

**Publication Record**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of Conference/ Journal** | **ISSN/ISBNNumber** | **National/ International** | **Date of Publication** | **Impact factor** |
| **1** |  |  |  |  |  |
| **2** |  |  |  |  |  |
| **3** |  |  |  |  |  |
| **4** |  |  |  |  |  |
| **5** |  |  |  |  |  |

**Cost Estimation**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Particular** | **Amount in Rupees** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**References**

|  |  |
| --- | --- |
| **Sr. No.** | **E-Book / E-Journals / IEEE Journals / Conference Paper Referred** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**BE Project (Term - I) Evaluation**

**BE Project (Term - II) Evaluation**

**External Examiner Feedback (Term-I)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Excellent** | **Good** | **Satisfactory** |
| Q1. Are the students able to apply their knowledge of mathematics and engineering to identify, formulate, and solve complex problems through project work? |  |  |  |
| Q2. How will you rate student’s ability to design a system, analyze and interpret data to meet desired needs within realistic constraints through project work? |  |  |  |
| Q3. To what extent do you think the students are able to innovatively think, visualize and function on multidisciplinary areas? |  |  |  |
| Q4. To what extent do you think the students have understood professional and ethical responsibility through project work? |  |  |  |
| Q5. Are the students able to communicate effectively in both verbal and written form? |  |  |  |
| Q6. Are the students able to understand the impact of engineering solutions in a global, economic, environmental, and societal context? |  |  |  |
| Q7. Indicate the extent to which students have understood project management and team work? |  |  |  |
| Q8. To what extent do you think the students are able to use modern engineering tools along with knowledge of contemporary issues? |  |  |  |
| Q9. How will you rate student’s ability to recognize the need of engaging in life-long learning? |  |  |  |

|  |  |
| --- | --- |
| **Date:** | **Signature (External)** |
|  |  |

**Remarks if any:**

**External Examiner Feedback (Term-II)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Excellent** | **Good** | **Satisfactory** |
| Q1. Are the students able to apply their knowledge of mathematics and engineering to identify, formulate, and solve complex problems through project work? |  |  |  |
| Q2. How will you rate student’s ability to design a system, analyze and interpret data to meet desired needs within realistic constraints through project work? |  |  |  |
| Q3. To what extent do you think the students are able to innovatively think, visualize and function on multidisciplinary areas? |  |  |  |
| Q4. To what extent do you think the students have understood professional and ethical responsibility through project work? |  |  |  |
| Q5. Are the students able to communicate effectively in both verbal and written form? |  |  |  |
| Q6. Are the students able to understand the impact of engineering solutions in a global, economic, environmental, and societal context? |  |  |  |
| Q7. Indicate the extent to which students have understood project management and team work? |  |  |  |
| Q8. To what extent do you think the students are able to use modern engineering tools along with knowledge of contemporary issues? |  |  |  |
| Q9. How will you rate student’s ability to recognize the need of engaging in life-long learning? |  |  |  |

|  |  |
| --- | --- |
| **Date:** | **Signature (External)** |
|  |  |

**Remarks if any:**

**Notes**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_